

Serial No.:10/585,652

PF040001

Listing and Amendments to the Claims

Please **rewrite** claims 1, 9 and 12 as indicated. Please **cancel** claims 8, 11 and 14.

1. (Currently Amended) A projection display device comprising:
 - means of generating an image;
 - means of projecting the image onto a screen;
 - the screen comprising a Fresnel lens having a symmetry of revolution about a main axis,said Fresnel lens including at least one first area comprising first prisms, each first prism having a first side and a second side which forms with ~~a~~ the main axis an angle greater than that formed by the first side and the main axis,
the second side of the first prism being designed to collimate, in line with the main axis, an incident ray from said projection means,
~~said Fresnel lens having symmetry of revolution about said main axis,~~
wherein said Fresnel lens includes one second area comprising second prisms, each second prism having a first side and a second side which forms with a main axis an angle greater than that formed by the first side and the main axis,
the second side of the second prism being designed to transmit, in a first direction different from the main axis, an incident ray from said projection means
wherein, in at least one of said first and second areas, the first and second prisms work in a reflective mode, the first side of each of the first and second prisms refracting an incident ray from said projection means to the second side of the corresponding prism which reflects the refracted ray to the output of said Fresnel lens, and

Serial No.:10/585,652

PF040001

wherein said Fresnel lens comprises at least one third area comprising third prisms, each third prism having a first side and a second side which forms with a main axis an angle greater than that formed by the first side and the main axis, and being designed to transmit an incident ray from said projection means in line with said main axis, the third prisms working in a reflective or transmissive mode different from the working mode of the first prisms.

2. (Previously Presented) The device as claimed in claim 1 wherein the first area is adjacent to the second area.
3. (Previously Presented) The device as claimed in claim 1 wherein the first direction is divergent from the main axis.
4. (Previously Presented) The device as claimed in claim 1, wherein the first direction and the main axis form between them an angle greater than 1° .
5. (Previously Presented) The device as claimed in claim 4, wherein the first direction and the main axis form between them an angle greater than 2° .
6. (Previously Presented) The device as claimed in claim, wherein the first direction and the main axis form between them an angle less than 10° .
7. (Previously Presented) The device as claimed in claim 6, wherein the first direction and the main axis form between them an angle less than 5° .
8. (Cancelled).
9. (Currently Amended) The device as claimed in claim 1, wherein, in at least one of said first and second areas, the first and second prisms work in a

Serial No.:10/585,652

PF040001

refractive mode, the second side of each of the first and second prisms (44, 50) refracting an incident ray from said projection means, to the output of said Fresnel lens.

10. (Previously Presented) The device as claimed in claim 1, wherein, in at least one of said first areas, the first prisms work in a refractive or reflective mode different from the mode in which the second prisms in at least one of said second areas work.
11. (Cancelled).
12. (Currently Amended) The device as claimed in claim 1 &, wherein it said Fresnel lens comprises at least one fourth area comprising fourth prisms, each fourth prism having a first side and a second side which forms with a main axis an angle greater than that formed by the first side and the main axis, and being designed to transmit an incident ray from said projection means in a direction that is different from the main axis, the fourth prisms working in a reflective or transmissive mode different from the working mode of the second prisms.
13. (Previously Presented) The device as claimed in claim 1, wherein the Fresnel screen comprises diffusion means.
14. (Cancelled).